

165



TECH CENTER 1600/2900  
4 2002

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IPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/040,497

DATE: 02/08/2002  
TIME: 08:43:18

Input Set : N:\Crf3\RULE60\10040497.txt  
Output Set: N:\CRF3\02082002\J040497.raw

#2

**ENTERED**

SEQUENCE LISTING

2 (1) GENERAL INFORMATION:

3 (i) APPLICANT: GOLD, LARRY  
4 TUERK, CRAIG

5 (ii) TITLE OF INVENTION: METHODS OF PRODUCING  
6 NUCLEIC ACID LIGANDS

7 (iii) NUMBER OF SEQUENCES: 83

8 (iv) CORRESPONDENCE ADDRESS:

9 (A) ADDRESSEE: Swanson & Bratschun, L.L.C.  
10 (B) STREET: 8400 E. Prentice Avenue, Suite 200  
11 (C) CITY: Englewood  
12 (D) STATE: Colorado  
13 (E) COUNTRY: USA  
14 (F) ZIP: 80111

15 (v) COMPUTER READABLE FORM:

16 (A) MEDIUM TYPE: Diskette, 3 1/5 inch, 1.44 MB  
17 (B) COMPUTER: IBM compatible  
18 (C) OPERATING SYSTEM: MS-DOS  
19 (D) SOFTWARE: WordPerfect 8.0

20 (vi) CURRENT APPLICATION DATA:

C--> 21 (A) APPLICATION NUMBER: US/10/040,497  
C--> 22 (B) FILING DATE: 07-Jan-2002

C--> 39 (vii) PRIOR APPLICATION DATA:

24 (A) APPLICATION NUMBER: 09/165,616  
25 (B) FILING DATE: 02-OCTOBER-1998  
28 (A) APPLICATION NUMBER: 08/748,697  
29 (B) FILING DATE: 13-NOVEMBER-1996  
31 (A) APPLICATION NUMBER: 08/442,062  
32 (B) FILING DATE: 16-MAY-1995  
34 (A) APPLICATION NUMBER: 07/964,624  
35 (B) FILING DATE: 21-OCTOBER-1992  
37 (A) APPLICATION NUMBER: 07/714,131  
38 (B) FILING DATE: 10-JUNE-1991  
40 (A) APPLICATION NUMBER: 07/536,428  
41 (B) FILING DATE: 11-JUNE-1990

42 (viii) ATTORNEY/AGENT INFORMATION:

43 (A) NAME: Barry J. Swanson  
44 (B) REGISTRATION NUMBER: 33,215  
45 (C) REFERENCE/DOCKET NUMBER: NEX05/DC-CON

46 (ix) TELECOMMUNICATION INFORMATION:

47 (A) TELEPHONE: (303) 793-3333  
48 (B) TELEFAX: (303) 793-3433

49 (2) INFORMATION FOR SEQ ID NO: 1:

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Input Set : N:\Crf3\RULE60\10040497.txt  
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50	(i) SEQUENCE CHARACTERISTICS:	
51	(A) LENGTH: 21 base pairs	
52	(B) TYPE: nucleic acid	
53	(C) STRANDEDNESS: single	
54	(D) TOPOLOGY: linear	
55	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:	
56	UUCCGNNNNN NNNCGGGAAA A	21
58	(2) INFORMATION FOR SEQ ID NO: 2:	
59	(i) SEQUENCE CHARACTERISTICS:	
60	(A) LENGTH: 24 base pairs	
61	(B) TYPE: nucleic acid	
62	(C) STRANDEDNESS: single	
63	(D) TOPOLOGY: linear	
64	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
65	UCCGNNNNNN NNCGGGAAAA NNNN	24
67	(2) INFORMATION FOR SEQ ID NO: 3:	
68	(i) SEQUENCE CHARACTERISTICS:	
69	(A) LENGTH: 27 base pairs	
70	(B) TYPE: nucleic acid	
71	(C) STRANDEDNESS: single	
72	(D) TOPOLOGY: linear	
73	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
74	NNUUCCGNNN NNNNNCGGGA AAANNNN	27
76	(2) INFORMATION FOR SEQ ID NO: 4:	
77	(i) SEQUENCE CHARACTERISTICS:	
78	(A) LENGTH: 57 base pairs	
79	(B) TYPE: nucleic acid	
80	(C) STRANDEDNESS: single	
81	(D) TOPOLOGY: linear	
82	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
83	GGUCCGAAGU GCAACGGGAA AAUGCACUAU GAAAGAAUUU UAUUAUCUUA	50
84	UUGAAC	57
86	(2) INFORMATION FOR SEQ ID NO: 5:	
87	(i) SEQUENCE CHARACTERISTICS:	
88	(A) LENGTH: 31 base pairs	
89	(B) TYPE: nucleic acid	
90	(C) STRANDEDNESS: single	
91	(D) TOPOLOGY: linear	
92	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
93	CCGGATCCGT TTCAATAGAG ATATAAAATT C	31
95	(2) INFORMATION FOR SEQ ID NO: 6:	
96	(i) SEQUENCE CHARACTERISTICS:	
97	(A) LENGTH: 55 base pairs	
98	(B) TYPE: nucleic acid	
99	(C) STRANDEDNESS: single	
100	(D) TOPOLOGY: linear	
101	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
102	GGGCAAGCTT TAATACGACT CACTATAGGT CCGAAGTGCA ACGGGAAAAT	50
103	GCACT	55

RAW SEQUENCE LISTING  
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Input Set : N:\Crf3\RULE60\10040497.txt  
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105 (2) INFORMATION FOR SEQ ID NO: 7:  
 106 (i) SEQUENCE CHARACTERISTICS:  
 107 (A) LENGTH: 31 base pairs  
 108 (B) TYPE: nucleic acid  
 109 (C) STRANDEDNESS: single  
 110 (D) TOPOLOGY: linear  
 111 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
 112 GTTTCAATAG AGATATAAAA TTCTTTCATA G 31  
 114 (2) INFORMATION FOR SEQ ID NO: 8:  
 115 (i) SEQUENCE CHARACTERISTICS:  
 116 (A) LENGTH: 89 base pairs  
 117 (B) TYPE: nucleic acid  
 118 (C) STRANDEDNESS: single  
 119 (D) TOPOLOGY: linear  
 120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
 121 GTTTCAATAG AGATATAAAA TTCTTTCATA GNNNNNNNNNN NNNNNNNNNN 50  
 122 NNNNNNNNNN NAGTGCATTT TCCC GTTGCA CTTCGGACC 89  
 124 (2) INFORMATION FOR SEQ ID NO: 9:  
 125 (i) SEQUENCE CHARACTERISTICS:  
 126 (A) LENGTH: 85 base pairs  
 127 (B) TYPE: nucleic acid  
 128 (C) STRANDEDNESS: single  
 129 (D) TOPOLOGY: linear  
 130 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
 131 CCCGGATCCT CTTTACCTCT GTGTGAGATA CAGAGTCCAC AAACGTGTTC 50  
 132 TCAATGCACC CGGTCGGAAG GCCATCAATA GTCCCC 85  
 134 (2) INFORMATION FOR SEQ ID NO: 10:  
 135 (i) SEQUENCE CHARACTERISTICS:  
 136 (A) LENGTH: 49 base pairs  
 137 (B) TYPE: nucleic acid  
 138 (C) STRANDEDNESS: single  
 139 (D) TOPOLOGY: linear  
 140 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:  
 141 CCGAAGCTTA ATACGACTCA CTATAGGGAC TATTGATGGC CTTCCGACC 49  
 143 (2) INFORMATION FOR SEQ ID NO: 11:  
 144 (i) SEQUENCE CHARACTERISTICS:  
 145 (A) LENGTH: 25 base pairs  
 146 (B) TYPE: nucleic acid  
 147 (C) STRANDEDNESS: single  
 148 (D) TOPOLOGY: linear  
 149 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:  
 150 CCCGGATCCT CTTTACCTCT GTGTG 25  
 152 (2) INFORMATION FOR SEQ ID NO: 12:  
 153 (i) SEQUENCE CHARACTERISTICS:  
 154 (A) LENGTH: 23 base pairs  
 155 (B) TYPE: nucleic acid  
 156 (C) STRANDEDNESS: single  
 157 (D) TOPOLOGY: linear  
 158 (ix) FEATURE:

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159 (D) OTHER INFORMATION: N's at  
 160 positions 9-11 are base  
 161 paired with N's at positions 21-23  
 162 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:  
 163 UCCSANNNNN NASGGGANAA NNN  
 165 (2) INFORMATION FOR SEQ ID NO: 13:  
 166 (i) SEQUENCE CHARACTERISTICS:  
 167 (A) LENGTH: 66 base pairs  
 168 (B) TYPE: nucleic acid  
 169 (C) STRANDEDNESS: single  
 170 (D) TOPOLOGY: linear  
 W--> 171 (ii) MOLECULE TYPE: RNA  
 172 (ix) FEATURE:  
 173 (D) OTHER INFORMATION: N at  
 174 position 29-36 can have a  
 175 variable length of 6-8 bases  
 176 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
 177 GGUCCGAAGU GCAACGGGAA AAAUGCACNN NNNNNNNNNN NNNNNNNNNN  
 178 NNNNNNNNNN NNNNNN  
 180 (2) INFORMATION FOR SEQ ID NO: 14:  
 181 (i) SEQUENCE CHARACTERISTICS:  
 182 (A) LENGTH: 88 base pairs  
 183 (B) TYPE: nucleic acid  
 184 (C) STRANDEDNESS: single  
 185 (D) TOPOLOGY: linear  
 186 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
 187 GGUCCGAAGU GCAACGGGAA AAUGCACUAG CUCGUGAGGC UUUCGUGCUG  
 188 UUCCGAGCUA UGAAAGAAUU UUAUAUCUCU AUUGAAC  
 190 (2) INFORMATION FOR SEQ ID NO: 15:  
 191 (i) SEQUENCE CHARACTERISTICS:  
 192 (A) LENGTH: 87 base pairs  
 193 (B) TYPE: nucleic acid  
 194 (C) STRANDEDNESS: single  
 195 (D) TOPOLOGY: linear  
 196 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
 197 GGUCCGAAGU GCAACGGGAA AAUGCACUGC AUGUGAGGCG GUAACGCUGU  
 198 UCCGUGCUAU GAAAGAAUUU UUAUAUCUCU UUGAAC  
 200 (2) INFORMATION FOR SEQ ID NO: 16:  
 201 (i) SEQUENCE CHARACTERISTICS:  
 202 (A) LENGTH: 89 base pairs  
 203 (B) TYPE: nucleic acid  
 204 (C) STRANDEDNESS: single  
 205 (D) TOPOLOGY: linear  
 206 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:  
 207 GGUCCGAAGU GCAACGGGAA AAUGCACUGG UGAGUGAGGC CGAUGCUGUU  
 208 CCUCGCCGCU AUGAAAGAAU UUUUAUCUC UAUUGAAC  
 210 (2) INFORMATION FOR SEQ ID NO: 17:  
 211 (i) SEQUENCE CHARACTERISTICS:  
 212 (A) LENGTH: 91 base pairs

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213           (B) TYPE: nucleic acid  
 214           (C) STRANDEDNESS: single  
 215           (D) TOPOLOGY: linear  
 216       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
 217 GGUCCGAAGU GCAACGGGAA AAUGCACUGA CGCGCGAGGU CUUGGUACUG      50  
 218 UUCCGUGGCCU CUAUGAAAGA AUUUUAUUAUC UCUAUUGAAA C      91  
 220 (2) INFORMATION FOR SEQ ID NO: 18:  
 221       (i) SEQUENCE CHARACTERISTICS:  
 222           (A) LENGTH: 89 base pairs  
 223           (B) TYPE: nucleic acid  
 224           (C) STRANDEDNESS: single  
 225           (D) TOPOLOGY: linear  
 226       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:  
 227 GGUCCGAAGU GCAACGGGAA AAUGCACUCU GGGUGAGACU UGAAGUCGUU      50  
 228 CCCCAGGUCU AUGAAAGAAU UUUUAUACUC UAUUGAAC      89  
 230 (2) INFORMATION FOR SEQ ID NO: 19:  
 231       (i) SEQUENCE CHARACTERISTICS:  
 232           (A) LENGTH: 89 base pairs  
 233           (B) TYPE: nucleic acid  
 234           (C) STRANDEDNESS: single  
 235           (D) TOPOLOGY: linear  
 236       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
 237 GGUCCGAAGU GCAACGGGAA AAUGCACUCC CGGUGAAGCA UAAUGCUGUU      50  
 238 CCUGGGGUCCU AUGAAAGAAU UUUUAUACUC UAUUGAAC      89  
 240 (2) INFORMATION FOR SEQ ID NO: 20:  
 241       (i) SEQUENCE CHARACTERISTICS:  
 242           (A) LENGTH: 89 base pairs  
 243           (B) TYPE: nucleic acid  
 244           (C) STRANDEDNESS: single  
 245           (D) TOPOLOGY: linear  
 246       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:  
 247 GGUCCGAAGU GCAACGGGAA AAUGCACUGG GAGUGAGGUU CCCCGUUCU      50  
 248 CCCGCACCCU AUGAAAGAAU UUUUAUACUC UAUUGAAC      89  
 250 (2) INFORMATION FOR SEQ ID NO: 21:  
 251       (i) SEQUENCE CHARACTERISTICS:  
 252           (A) LENGTH: 89 base pairs  
 253           (B) TYPE: nucleic acid  
 254           (C) STRANDEDNESS: single  
 255           (D) TOPOLOGY: linear  
 256       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
 257 GGUCCGAAGU GCAACGGGAA AAUGCACUAG CGAUGUGAAG UGAUACUGGU      50  
 258 CCAUCGUGCU AUGAAAGAAU UUUUAUACUC UAUUGAAC      89  
 260 (2) INFORMATION FOR SEQ ID NO: 22:  
 261       (i) SEQUENCE CHARACTERISTICS:  
 262           (A) LENGTH: 88 base pairs  
 263           (B) TYPE: nucleic acid  
 264           (C) STRANDEDNESS: single  
 265           (D) TOPOLOGY: linear  
 266       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/040,497

DATE: 02/08/2002

TIME: 08:43:19

Input Set : N:\Crf3\RULE60\10040497.txt

Output Set: N:\CRF3\02082002\J040497.raw

L:21 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:22 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:27 M:220 C: Keyword misspelled or invalid format, [(vii) PRIOR APPLICATION DATA:]  
L:171 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]  
L:171 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13  
L:412 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]  
L:412 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=36  
L:426 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]  
L:426 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=37  
L:437 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]  
L:437 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=38  
L:459 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]  
L:459 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=39  
L:909 M:220 C: Keyword misspelled or invalid format, [(ii) MOLECULE TYPE:]  
L:909 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=83